

## REPORT

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1. type car dumper for iron ore at the Stalinsk Iron and Steel Plant in the USSR. This dumper was installed several years after the completion of the iron and steel facilities at this location. The Soviets decided on the installation of a car dumper because of the fact that during the cold winter months the ore could not be readily removed from the cars at the plant in Stalinsk. They felt that it was essential to have a rapid turn around of their rolling stock because of the shortage of hopper cars capable of hauling ore from Magnitogorsk to Stalinsk and coal from the Kuznetsk area. The car dumper was utilized only during the cold months of the year, because normally the ore could be readily dumped from the cars, and as a consequence, there was no shortage of rolling stock during the warm months of the year.
2. The iron ore arrived in Stalinsk after its estimated 700-mile trip from Magnitogorsk in a frozen state. The cars were run into a heated building and remained there until warmed sufficiently to allow the ore to be dumped into the receiving pit. Difficulty was experienced, nevertheless, owing to the fact that many of the cars had wooden sides and these suffered badly from the strain received as the large masses of frozen ore toppled over the sides. Many of these wooden sided cars were laid up for long periods of time awaiting repair. The Soviets, naturally, recognized this deficiency in their cars and were attempting to increase the number of all-steel cars as rapidly as possible. The dumper was of the movable type and ran on track extending over a stretch of perhaps one-half mile in length.
3. [redacted] in Stalinsk, [redacted] two railway type cranes. These [redacted] 50X1-HUM were of an ancient vintage [redacted] They were originally [redacted] 50X1-HUM acquired new [redacted]
4. The bridge for the transferral of ore from the storage pits to the skip cars at the blast furnaces is of German construction. [redacted] the structure was of very flimsy construction, particularly when compared to the car dumpers [redacted] With regard to [redacted] 50X1-HUM

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this ore handling bridge, it might be mentioned that this would be the most vulnerable element of the whole iron and steel plant complex. It could be readily bombed into ineffectiveness, and without it the whole plant would have to cease production.

5. [ ] the care that was taken in the up-keep of all the ore handling equipment associated with the plant. The Soviets naturally realized that unless the finest care were taken, breakdown would occur with a resultant slowing down in the plant's rate of production. 50X1-HUM
6. In contrast to the care taken of the ore handling equipment, it was quite apparent that the blast furnaces were being forced at a dangerous rate. Dust or ashes could be observed to a depth of three inches or more over the streets and sidewalks in the immediate vicinity of the plant.
7. [ ] in Stalinsk three shifts were being operated at the plant. [ ] there were about five thousand employees per shift. 50X1-HUM

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